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1 A fine-grained access control system for XML documents

Ernesto Damiani, Sabrina De Capitani di Vimercati, Stefano Paraboschi, Pierangela Samarati

May 2002 ACM Transactions on Information and System Security (TISSEC),
Volume 5 Issue 2

Publisher: ACM

 Full text available: [pdf\(330.60 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Web-based applications greatly increase information availability and ease of access, which is optimal for public information. The distribution and sharing of information via the Web that must be accessed in a selective way, such as electronic commerce ...

Keywords: Access control, World Wide Web, XML documents, authorizations specification and enforcement

2 Parsing concurrent XML

Ionut E. Iacob, Alex Dekhtyar

November 2004 WIDM '04: Proceedings of the 6th annual ACM international workshop on Web information and data management

Publisher: ACM

 Full text available: [pdf\(242.39 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Concurrent markup hierarchies appear often in document-centric XML documents, as a result of different XML elements having overlapping scopes. They require significantly different approach to management and maintenance. Management of XML documents composed ...

Keywords: DOM, GODDAG, concurrent XML, overlapping markup

3 Lazy XML processing

Markus L. Noga, Steffen Schott, Welf Löwe

November 2002 DocEng '02: Proceedings of the 2002 ACM symposium on Document engineering

Publisher: ACM

 Full text available: [pdf\(197.98 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

This paper formalizes the domain of tree-based XML processing and classifies several implementation approaches. The lazy approach, an original contribution, is presented in depth. Proceeding from experimental measurements, we derive a selection strategy ...


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Key words: XML, document object model, lazy evaluation, parsing

4 Ecommerce systems design course using Java servlets

Robert Silverman, A. Frank Ackerman, Harry Chesley
October 2007 Journal of Computing Sciences in Colleges. Volume 23 Issue 1
Publisher: Consortium for Computing Sciences in Colleges

Full text available:  pdf(180.92 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

This paper addresses the justification, design, and implementation of a computer science undergraduate course in ecommerce. Our course starts with the basics of web pages (HTML, HTTP, and hyperlinks) then introduces simple (non-database) servlets, and ...

5 The efficiency of XML as an intermediate data representation for wireless middleware communication

Wayne Hanslo, Kenneth MacGregor
October 2004 SAI CSIT '04: Proceedings of the 2004 annual research conference of the South African institute of computer scientists and information technologists on IT research in developing countries

Publisher: South African Institute for Computer Scientists and Information Technologists

Full text available:  pdf(69.96 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Along with the advances in networking technologies, access to data services from mobile devices is growing in popularity but many issues have to be considered when writing applications for mobile devices. Devices have limited resources and wireless networks ...

Key words: SOAP, XML, design, measurement, middleware, mobile computing, performance, wireless

6 Using XML and related standards to support Location Based Services

 Anastasios Ioannidis, Manos Spanoudakis, Panos Sianas, Ioannis Priggouris, Stathes Hadjilefthymiadis, Lazaros Merakos
March 2004 SAC '04: Proceedings of the 2004 ACM symposium on Applied computing

Publisher: ACM

Full text available:  pdf(270.83 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Location Based Services can be considered as the most rapidly expanding field of the mobile communications sector. The proliferation of the mobile/wireless Internet, the constantly increasing use of handheld, mobile devices and positioning technologies ...

Key words: Web Services, XML, location based Services

7 Finding errors in components that exchange xml data

 Mark Grechanik
November 2007 ASE '07: Proceedings of the twenty-second IEEE/ACM international conference on Automated software engineering

Publisher: ACM

Full text available:  pdf(570.33 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Two or more components (e.g., objects, modules, or programs) interoperate

when they exchange data, such as XML data. Using *Application Programming Interface (API)* calls exported by XML parsers remains a primary mode of accessing and manipulating ...

Key words: XML schema, bisimulation, interoperability, program analysis, schema validator, symbolic execution

8 Anatomy of a native XML base management system

T. Fiebig, S. Helmer, C.-C. Kanne, G. Moerkotte, J. Neumann, R. Schiele, T.

Westmann

December 2002 *The VLDB Journal — The International Journal on Very Large Data Bases*, Volume 11 Issue 4

Publisher: Springer-Verlag New York, Inc.

Full text available:  pdf(300.97 KB) Additional Information: full citation, abstract, references, cited by, index terms

Several alternatives to manage large XML document collections exist, ranging from file systems over relational or other database systems to specifically tailored XML base management systems. In this paper we give a tour of Natix, a database management ...

Key words: Database, XML

9 Java and information retrieval from the Internet

Brian Nolan

June 2003 *PPPJ '03: Proceedings of the 2nd international conference on Principles and practice of programming in Java*

Publisher: Computer Science Press, Inc.

Full text available:  pdf(103.75 KB) Additional Information: full citation, references

10 Querying XML streams

Vanja Josifovski, Marcus Fontoura, Attila Barta

April 2005 *The VLDB Journal — The International Journal on Very Large Data Bases*, Volume 14 Issue 2

Publisher: Springer-Verlag New York, Inc.

Full text available:  pdf(242.03 KB) Additional Information: full citation, abstract, references, cited by

Efficient querying of XML streams will be one of the fundamental features of next-generation information systems. In this paper we propose the TurboXPath path processor, which accepts a language equivalent to a subset of the for-let-where constructs ...

11 Java takes flight: time-portable real-time programming with exotasks

 Joshua Auerbach, David F. Bacon, Daniel T. Iercan, Christoph M. Kirsch, V. T. Rajan, Harald Roedl, Rainer Trummer

July 2007 *ACM SIGPLAN Notices*, Volume 42 Issue 7

Publisher: ACM

Full text available:  pdf(495.94 KB) Additional Information: full citation, abstract, references, cited by, index terms

Existing programming methodologies for real-time systems suffer from a low level of abstraction and non-determinism in both the timing and the functional domains. As a result, real-time systems are difficult to test and must be re-certified every time ...

Key words: UAVs, real-time scheduling, time-portability, virtual machine

12 [Transparent proxies for java futures](#)

 Polyvios Pratikakis, Jaime Spacco, Michael Hicks

October 2004 ACM SIGPLAN Notices, Volume 39 Issue 10

Publisher: ACM

Full text available:  pdf(351.78 KB)

Additional Information: full citation, abstract, references, cited by, index terms

A `<i>proxy</i>` object is a surrogate or placeholder that controls access to another target object. Proxies can be used to support distributed programming, lazy or parallel evaluation, access control, and other simple forms of behavioral reflection. ...

Key words: Java, future, proxy, type inference, type qualifier

13 [An interface between Java and APL](#)

 Mike Symes

June 2000 ACM SIGPLAN APL Quote Quad, Volume 30 Issue 4

Publisher: ACM

Full text available:  pdf(946.86 KB)

Additional Information: full citation, abstract, references, index terms

This paper discusses an interface between the Java and APL languages. It is in the form of a report on some technology that has been developed for SHARP APL, though there are no aspects of the technology that are particularly special to that dialect ...

14 [XML screamer: an integrated approach to high performance XML parsing, validation and deserialization](#)

 Margaret G. Kostoulas, Morris Matsa, Noah Mendelsohn, Eric Perkins, Abraham Helfets, Martha Mercaldi

May 2006 WWW '06: Proceedings of the 15th international conference on World Wide Web

Publisher: ACM

Full text available:  pdf(203.85 KB)

Additional Information: full citation, abstract, references, index terms

This paper describes an experimental system in which customized high performance XML parsers are prepared using parser generation and compilation techniques. Parsing is integrated with Schema-based validation and deserialization, and the resulting validating ...

Key words: JAX-RPC, SAX, XML, XML schema, parsing, performance, schema compilation, validation

15 [Problems in the initial teaching of programming using Java: the case for replacing J2SE with J2ME](#)

 Ian Utting

September 2006 ACM SIGGCSE Bulletin, Volume 38 Issue 3

Publisher: ACM

Full text available:  pdf(234.37 KB)

Additional Information: full citation, abstract, references, index terms

In their analysis of the use of Java as a first teaching language, the ACM Java Task Force (JTF) identified a number of issues with the Java language and APIs which caused significant pedagogic problems. The focus of their work, and hence of their characterisation ...

Key words: introductory programming, programming languages

16 Mapping clouds of SOA- and business-related events for an enterprise cockpit in a Java-based environment

 Daniel Jobst, Gerald Preissler
August 2006 PPPJ '06: Proceedings of the 4th international symposium on Principles and practice of programming in Java
Publisher: ACM

Full text available:  pdf(606.02 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

This paper is about business process management (BPM) and business activity monitoring (BAM) using event processing. We will show why the management of business processes is important for all further steps towards an event-driven and real time enterprise. ...

Key words: business activity monitoring, event processing, service oriented architecture

17 Designing an advanced programming class in Java that incorporates web database applications

 Camille Rogers
December 2007 Journal of Computing Sciences in Colleges, Volume 23 Issue 2
Publisher: Consortium for Computing Sciences in Colleges

Full text available:  pdf(211.66 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

The computing curriculum includes many programming courses that introduce students to fundamental programming concepts. This paper provides a course design for an advanced programming class in Java that incorporates curriculum that reflects current industry ...

Key words: J2EE, JDBC, JSP, Java programming, advanced programming, enterprise business applications, servlets, web database applications

18 Development of XML-based tools to support user interaction with algorithm visualization

 Thomas Naps, Guido Rößling, Peter Brusilovsky, John English, Duane Jarc, Ville Karavirta, Charles Leska, Myles McNally, Andrés Moreno, Rockford J. Ross, Jaime Urquiza-Fuentes
December 2005 ACM SIGCSE Bulletin, Volume 37 Issue 4
Publisher: ACM

Full text available:  pdf(421.21 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

As a report of a working group at ITICSE 2005, this paper represents a vision of the use of XML specifications and tools in algorithm visualization, particularly with regard to supporting user interaction. A detailed description is given of how an interesting ...

Key words: XML, animation, pedagogy, visualization

19 Efficient, flexible, and typed group communications in Java

 Laurent Baduel, Francoise Baude, Denis Caromel
November 2002 JGI '02: Proceedings of the 2002 joint ACM-ISCOPE conference on Java Grande
Publisher: ACM

Full text available:  pdf(176.57 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Group communication is a crucial feature for high-performance and Grid computing. While previous works and libraries proposed such a characteristic (e.g. MPI, or object-oriented frameworks), the use of groups imposed specific constraints on programmers ...

Keywords: active objects, group communications, hierarchical and dynamic groups

20 [Single sign-on for java web start applications using myproxy](#)

 Terry Fleury, Jim Basney, Von Welch
November 2006 SWS '06: Proceedings of the 3rd ACM workshop on Secure web services

Publisher: ACM

Full text available:  pdf(680.33 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Single sign-on is critical for the usability of distributed systems. While there are several authentication mechanisms which support single sign-on (e.g. Kerberos and X.509), it may be difficult to modify a particular legacy application to utilize an ...

Keywords: grid portals, session passwords, single sign-on

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